

SCORE Search Results Details for Application 10516759 and Search Result 20101117_144529_us-10-516-759a-16_copy_2_139.ra1.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 10516759 and Search Result 20101117_144529_us-10-516-759a-16_copy_2_139.ra1.

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OM protein - protein search, using sw model

Run on: November 17, 2010, 15:03:21 ; Search time 37 Seconds
(without alignments)
1034.804 Million cell updates/sec

Title: US-10-516-759A-16_COPY_2_139
Perfect score: 768
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1668452 seqs, 279819459 residues

Total number of hits satisfying chosen parameters: 1668452

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 150 summaries

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3	768	100.0	534	3	US-12-018-515B-6		Sequence 6, Appli

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ALIGNMENTS

RESULT 1

US-10-159-353B-6

; Sequence 6, Application US/10159353B

; Patent No. 7390632

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/10/159,353B

; CURRENT FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: US 09/676,380

; PRIOR FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 6

; LENGTH: 534


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Best Local Similarity 100.0%;
Matches 138;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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; Sequence 2, Application US/10159353B
; Patent No. 7390632
; GENERAL INFORMATION:
;   APPLICANT: Maihle, Nita
;   APPLICANT: Lee, Hakjoo
;   TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
;   TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
;   TITLE OF INVENTION: ErbB3
;   FILE REFERENCE: 01-03Maihle
;   CURRENT APPLICATION NUMBER: US/10/159,353B
;   CURRENT FILING DATE: 2002-05-31
;   PRIOR APPLICATION NUMBER: US 09/676,380
;   PRIOR FILING DATE: 2000-09-29
;   NUMBER OF SEQ ID NOS: 8
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
;   LENGTH: 562
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-159-353B-2
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Best Local Similarity 100.0%;
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; Patent No. 7612042
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/018,610
; CURRENT FILING DATE: 2008-01-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-610-2

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Best Local Similarity 100.0%;
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Db 405 HMFHNSVFSNLTTIGGRS 422

RESULT 7

US-12-018-515B-2
; Sequence 2, Application US/12018515B
; Patent No. 7638302

; GENERAL INFORMATION
; APPLICANT: Maihle, Nita
; TITLE OF INVENTION: Soluble ErbB3 Receptor Isoforms
; FILE REFERENCE: 07-273 CONT
; CURRENT APPLICATION NUMBER: US/12/018,515B
; CURRENT FILING DATE: 2009-02-27
; PRIOR APPLICATION NUMBER: US 10/159,353
; PRIOR FILING DATE: 2002-05-31
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.4
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-515B-2

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Best Local Similarity 100.0%;
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Db 345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy 121 HMFNFVSFVSNLTTIGGRS 138
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Db 405 HMFNFVSFVSNLTTIGGRS 422

RESULT 8
US-12-144-166-2
; Sequence 2, Application US/12144166
; Patent No. 7638303
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/144,166
; CURRENT FILING DATE: 2008-06-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-144-166-2

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; GENERAL INFORMATION:
;   APPLICANT:  Kraus, Matthias H.
;   APPLICANT:  Aaronson, Stuart A.
;   TITLE OF INVENTION:  AN ISOLATED POLYPEPTIDE RELATED TO THE
;   TITLE OF INVENTION:  EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND
;   TITLE OF INVENTION:  BIOASSAYS AND METHODS RELATED THERETO
;   NUMBER OF SEQUENCES:  12
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Suite 400
;     STREET:  133 Carnegie Way, N.W.
;     CITY:  Atlanta
;     STATE:  Georgia
;     COUNTRY:  U.S.A.
;     ZIP:  30303
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/07/978,895
;     FILING DATE:  19921110
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/444,406
;     FILING DATE:  01-DEC-1989
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Perryman, David G.
;     REGISTRATION NUMBER:  33,438
;     REFERENCE/DOCKET NUMBER:  1414-028
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (404) 688-0770
;     TELEFAX:  (404) 688-9880
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1342 amino acids
;       TYPE:  AMINO ACID
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-07-978-895-4

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Query Match          100.0%;  Score 768;  DB 1;  Length 1342;
Best Local Similarity 100.0%;
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      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTVD 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy     121 HMFNFSVFSNLTTIGGRS 138
      ||||||||||||||||
Db     405 HMFNFSVFSNLTTIGGRS 422

```

RESULT 11

US-08-484-438-9

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; Sequence 9, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1342 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
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US-08-484-438-9

Query Match 100.0%; Score 768; DB 1; Length 1342;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV 60
      |||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
      |||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy      121 HMFHNSVFSNLTTIGGRS 138
      |||
Db      405 HMFHNSVFSNLTTIGGRS 422
```

RESULT 12

US-08-473-119-4

; Sequence 4, Application US/08473119

; Patent No. 5820859

; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.

; APPLICANT: Aaronson, Stuart A.

; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND

; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Suite 400

; STREET: 133 Carnegie Way, N.W.

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: U.S.A.

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/473,119

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/978,895

; FILING DATE: 10-NOV-1992

; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414-028

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770

; TELEFAX: (404) 688-9880

; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1342 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-473-119-4

Query Match 100.0%; Score 768; DB 1; Length 1342;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV 60
|
Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV 344

Qy 61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
|
Db 345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy 121 HMFNFVFSNLTTIGGRS 138
|
Db 405 HMFNFVFSNLTTIGGRS 422

RESULT 13
US-08-475-352-4
; Sequence 4, Application US/08475352
; Patent No. 5916755
; GENERAL INFORMATION:
; APPLICANT: Kraus, Matthias H.
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND
; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 400
; STREET: 133 Carnegie Way, N.W.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: U.S.A.
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,352
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/978,895
; FILING DATE:
; APPLICATION NUMBER: US 07/444,406
; FILING DATE: 01-DEC-1989

; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/978,895
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1342 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-170-699-4

Query Match 100.0%; Score 768; DB 2; Length 1342;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV 60
|
Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQTV 344

Qy 61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
|
Db 345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy 121 HMFNFVFSNLTTIGGRS 138
|
Db 405 HMFNFVFSNLTTIGGRS 422

RESULT 15
US-10-207-498-2
; Sequence 2, Application US/10207498
; Patent No. 7125680
; GENERAL INFORMATION:
; APPLICANT: Elizabeth Singer
; APPLICANT: Ralf Landgraf
; APPLICANT: Dennis J. Slamon
; APPLICANT: David Eisenberg
; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/10/207,498
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1342

Db 345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy 121 HMFHNSVFSNLTTIGGRS 138
|||||

Db 405 HMFHNSVFSNLTTIGGRS 422

RESULT 17

US-10-503-486-6

; Sequence 6, Application US/10503486

; Patent No. 7514240

; GENERAL INFORMATION:

; APPLICANT: Japan Science and Technology Corporation

; APPLICANT: Riken

; APPLICANT: Mochida Pharmaceutical CO., LTD.

; TITLE OF INVENTION: EGF/EGFR Complex

; FILE REFERENCE: PH-1639-PCT

; CURRENT APPLICATION NUMBER: US/10/503,486

; CURRENT FILING DATE: 2004-08-05

; PRIOR APPLICATION NUMBER: JP 2002-28780

; PRIOR FILING DATE: 2002-02-05

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 6

; LENGTH: 1342

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-503-486-6

Query Match 100.0%; Score 768; DB 3; Length 1342;

Best Local Similarity 100.0%;

Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGMKCEPCGGLCPKACEGTGSGSRFQTV 60
|||||

Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGMKCEPCGGLCPKACEGTGSGSRFQTV 344

Qy 61 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 120
|||||

Db 345 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 404

Qy 121 HMFHNSVFSNLTTIGGRS 138
|||||

Db 405 HMFHNSVFSNLTTIGGRS 422

RESULT 18

US-10-563-888A-2

; Sequence 2, Application US/10563888A

; Patent No. 7531649

; GENERAL INFORMATION:

; APPLICANT: Chi-Hong B. Chen

; APPLICANT: Ralf Landgraf

; TITLE OF INVENTION: APTAMERS TO HUMAN EPIDERMAL GROWTH

; TITLE OF INVENTION: FACTOR RECEPTOR-3

; FILE REFERENCE: 30448108USWO

; CURRENT APPLICATION NUMBER: US/10/563,888A

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Query Match      100.0%;  Score 768;  DB 3;  Length 1342;
Best Local Similarity 100.0%;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTVD 	60
Db	285	VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQTVD 	344
 Qy	 61	 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 	 120
 Db	 345	 SSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPP 	 404
 Qy	 121	 HMHNFSVFSNLTTIGGRS 	 138
 Db	 405	 HMHNFSVFSNLTTIGGRS	 422

```
; Sequence 8022, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
```

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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8022
; LENGTH: 1360
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8022
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http://es/ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.raii&ItemType=4&startByte=0 (19 of 125)11/20/2010 6:26:14 PM

http://es/ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.rai&ItemType=4&startByte=0 (20 of 125)11/20/2010 6:26:14 PM

; CURRENT FILING DATE: 2003-08-06
; PRIOR APPLICATION NUMBER: 60/229,679
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/265,516
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 09/940,101
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 615
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-362-380-4

Query Match 73.6%; Score 565; DB 3; Length 615;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 264 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICPKACDGIGTGSLMSAQTV 323

Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
||||| |:|||| ||| ||:|:|:|:| :| |:||||| |||||:|||||
Db 324 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 383

Qy 120 PHMHNFSVFSNLTTIGGR 137
|:| :||||| |||||
Db 384 PNMTDFSVFSNLVTIGGR 401

RESULT 22
US-11-209-187-4
; Sequence 4, Application US/11209187
; Patent No. 7449559
; GENERAL INFORMATION:
; APPLICANT: CSIRO Molecular and Health Technologies
; TITLE OF INVENTION: Truncated EGF Receptor
; FILE REFERENCE: 502897
; CURRENT APPLICATION NUMBER: US/11/209,187
; CURRENT FILING DATE: 2007-08-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 626
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-209-187-4

Query Match 73.6%; Score 565; DB 3; Length 626;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 264 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICPKACDGIGTGSLMSAQTV 323

US-08-484-438-10

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellstr m, Ingegerd

; APPLICANT: Hellstr m, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

```
; NUMBER OF SEQUENCES: 42
```

CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
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;      COMPUTER:  IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442

; FILING DATE: 14-OCT-1994

; APPLICATION NUMBER: US 08/150,704

; FILING DATE: 10-NOV-1993

CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165

; FILING DATE: 24-NOV-1992

CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie

; REGISTRATION NUMBER: 18,872

REFERENCE/DOCKET NUMBER: 5624-230

; TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 911 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-484-438-10

Query Match 73.6%; Score 565; DB 1; Length 911;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 289 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICPKACDGIGTGSLMSAQT 348
Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
||||| |:|||| ||| |:|:|:|:|:| |:|||||||:|||||
Db 349 DSSNIDKFINCTKINGNLIFLVGTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408
Qy 120 PHMHNFVSFSLTTIGGR 137
|:| :||||| |||||
Db 409 PNMTDFSVFSLVTIGGR 426

RESULT 24

US-08-484-438-4

; Sequence 4, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1058 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-438-4

Query Match 73.6%; Score 565; DB 1; Length 1058;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| :|| ||
Db 289 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICPKACDGIGTGSLMSAQTV 348

Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
||||| |:|||| ||| ||:|:|:|:| :| :|:|||||:|||||
Db 349 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408

Qy 120 PHMHNFVSFVSNLTTIGGR 137
|:| :||||| |||||
Db 409 PNMTDFSVFVSNLVTIGGR 426

RESULT 25

US-08-484-438-2

; Sequence 2, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1308 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-438-2

Query Match 73.6%; Score 565; DB 1; Length 1308;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 289 CVKKCPHNFVVDSSSCVRACPPSSKMEVEENGIMCKPCTDICPKACDGIGTGSLMSAQTV 348

Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
||||| |:|||| ||| ||:|:|:|:|:| |:| ||||| |||||:|||||
Db 349 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408

Qy 120 PHMHNFSVFSNLTTIGGR 137
|:| :||||| ||||
Db 409 PNMTDFSVFSNLVTIGGR 426

RESULT 26

US-10-394-322A-18
; Sequence 18, Application US/10394322A
; Patent No. 7202033
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 1308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-18

Query Match 73.6%; Score 565; DB 3; Length 1308;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 289 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICKACDGIGTGSLMSAQT 348
Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
||||| |:|||| ||| ||:|:|:|:|:| |:|||||:|||||
Db 349 DSSNIDKFINCTKINGNLIFLVTGIHGDYPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408
Qy 120 PHMHNFVSFNLTTIGGR 137
|:| :||||| |||||
Db 409 PNMTDFSVFNLVTIGGR 426

RESULT 27

US-10-362-380-2
; Sequence 2, Application US/10362380
; Patent No. 7332579
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; APPLICANT: Gerritsen, Mary
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: ErbB4 ANTAGONISTS
; FILE REFERENCE: 39766-0072 US
; CURRENT APPLICATION NUMBER: US/10/362,380
; CURRENT FILING DATE: 2003-08-06
; PRIOR APPLICATION NUMBER: 60/229,679
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/265,516
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 09/940,101

; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-362-380-2

Query Match 73.6%; Score 565; DB 3; Length 1308;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 289 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICKACDGIGTGSLMSAQT 348

Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119
||||| |:|||| ||| ||:|:|:|:| | |:|||||:|||||
Db 349 DSSNIDKFINCTKINGNLIFLVGTGIHGDOPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408

Qy 120 PHMHNFVSFSLTTIGGR 137
|:| :||||| |||||
Db 409 PNMTDFSVFSLVTIGGR 426

RESULT 28
US-10-503-486-7
; Sequence 7, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 1308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-7

Query Match 73.6%; Score 565; DB 3; Length 1308;
Best Local Similarity 73.2%;
Matches 101; Conservative 18; Mismatches 17; Indels 2; Gaps 1;

Qy 2 CVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRF--QTV 59
|| ||||| :||| |||:|:|:| :|||:| |:| ||
Db 289 CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIMCKPCTDICKACDGIGTGSLMSAQT 348

Qy 60 DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWP 119

```

      ||||| |:|||| ||| ||:|::||::: | |:||||||||||||||:|||||
Db      349 DSSNIDKFINCTKINGNLIFLVTGIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWP 408

Qy      120 PHMHNFSVFSNLTTIGGR 137
      |:| :||||||| |||||
Db      409 PNMTDFSFSNLVTIGGR 426
```

RESULT 29

```

US-10-159-353B-8
; Sequence 8, Application US/10159353B
; Patent No. 7390632
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/10/159,353B
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-159-353B-8
```

```

Query Match          62.4%; Score 479; DB 3; Length 400;
Best Local Similarity 100.0%;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPECGGLCPKACEGTGSGSRFQTV D 60
      |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKGLKMCPECGGLCPKACEGTGSGSRFQTV D 344

Qy      61 SSNIDGFVNCTKILGNLDFLITGLNG 86
      |||||||||||||||||||||
Db      345 SSNIDGFVNCTKILGNLDFLITGLNG 370
```

RESULT 30

```

US-12-018-610-8
; Sequence 8, Application US/12018610
; Patent No. 7612042
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/018,610
; CURRENT FILING DATE: 2008-01-23
```

http://es/ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.rai&ItemType=4&startByte=0 (29 of 125)11/20/2010 6:26:14 PM

http://es/ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.rai&ItemType=4&startByte=0 (30 of 125)11/20/2010 6:26:14 PM

; ORGANISM: Rattus norvegicus
US-09-570-454-2

Query Match 41.2%; Score 316.5; DB 2; Length 478;
Best Local Similarity 44.3%;
Matches 62; Conservative 23; Mismatches 52; Indels 3; Gaps 2;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGMKCEPCGGLCPKACEGTGSGSRFQT-- 58
|| :|| |:|| | ||||| || ||::|:: |: | | | | | | | |
Db 291 CVKNCPRNYVVTDHGSCVRACGPDYEEVEEDGIRKCKKCDGPCRKVCNGIGIGEFKDTLS 350

Qy 59 VDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSW 118
::::|| | || | |:| | || : : | ||| :| : :||:|||| | ||:|
Db 351 INATNIKHKFYCTAISGDLHILPVAFKGDSFTRTPPLDPRELEILKTVKEITGSLLIQAW 410

Qy 119 PPHMHNFVSFNSLTTIGGRS 138
| : : | || | ||:
Db 411 PENWTDLHAFENLEIIRGRT 430

RESULT 34
US-09-867-521-2
; Sequence 2, Application US/09867521
; Patent No. 6582934
; GENERAL INFORMATION:
; APPLICANT: Department of Veterans Affairs
; TITLE OF INVENTION: Isolation and charaterization of epidermal growth
; TITLE OF INVENTION: factor releted protein
; FILE REFERENCE: 111828-00103
; CURRENT APPLICATION NUMBER: US/09/867,521
; CURRENT FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: 60/134,200
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/570,454
; PRIOR FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-867-521-2

Query Match 41.2%; Score 316.5; DB 2; Length 478;
Best Local Similarity 44.3%;
Matches 62; Conservative 23; Mismatches 52; Indels 3; Gaps 2;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGMKCEPCGGLCPKACEGTGSGSRFQT-- 58
|| :|| |:|| | ||||| || ||::|:: |: | | | | | | | |
Db 291 CVKNCPRNYVVTDHGSCVRACGPDYEEVEEDGIRKCKKCDGPCRKVCNGIGIGEFKDTLS 350

Qy 59 VDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSW 118
::::|| | || | |:| | || : : | ||| :| : :||:|||| | ||:|
Db 351 INATNIKHKFYCTAISGDLHILPVAFKGDSFTRTPPLDPRELEILKTVKEITGSLLIQAW 410

Qy 119 PPHMHNFVSFNSLTTIGGRS 138
| : : | || | ||:
Db 411 PENWTDLHAFENLEIIRGRT 430


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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-209-187-1
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Query Match 41.2%; Score 316.5; DB 3; Length 621;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |: || | ||||| | |:::|:: | : | | | | | | | :
Db 267 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		::::: : : :: : : :	
Db	326	SINATNIKHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA	385

Qy 118 WPPHMHNFSVFSNLTTIGGRS 138
|| : : | || | ||:
Db 386 WPENRTDLHAFENLEIIRGRT 406

RESULT 37

US-11-431-820A-1

; Sequence 1, Application US/11431820A

; Patent No. 7622273

; GENERAL INFORMATION:

; APPLICANT: GIBBS, Bernard

; TITLE OF INVENTION: COMPLETE CHEMICAL AND ENZYMATIC TREATMENT OF PHOSPHORYLATED AND

; TITLE OF INVENTION: GLYCOSYLATED PROTEINS ON PROTEIN CHIP ARRAYS

; FILE REFERENCE: 14237.6

; CURRENT APPLICATION NUMBER: US/11/431,820A

; CURRENT FILING DATE: 2006-05-11

; PRIOR APPLICATION NUMBER: 60/679,644

; PRIOR FILING DATE: 2005-05-11

; PRIOR APPLICATION NUMBER: 60/679,974

; PRIOR FILING DATE: 2005-05-12

```
; NUMBER OF SEQ ID NOS: 5
```

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; SOFTWARE: PatentIn version 3.3
```

```
; SEQ ID NO 1
```

```
; LENGTH: 621
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo sapiens (EGFRED)
```

US-11-431-820A-1

```
Query Match      41.2%;   Score 316.5;   DB 3;   Length 621;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;
```

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLKMCEPCGGLCPKACEGTGSGSRFQ--- 57
 || || |:|| | ||||| | |:::|:: |: | | | | | | | :
Db 267 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		:::: : : :: :: : : : :	
Db	326	SINATNIKHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPOELDILKTVKEITGFLLIOA	385

Qy 118 WPPHMHNFSVFSNLTTIGGRS 138

Db || : : | || | ||:
386 WPENRTDLHAFENLEIIRGRT 406

RESULT 38

US-10-503-486-1
; Sequence 1, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 633
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
US-10-503-486-1

Query Match 41.2%; Score 316.5; DB 3; Length 633;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
 || || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 267 CVKKCPRNYVVDTHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
 ::::|| | || | |:| | || : | ||::|:: :||:||||:| ||:
Db 326 SINATNIKHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 385

Qy 118 WPPHMHNFVFSNLTTIGGRS 138
 || : : | || | ||:
Db 386 WPENRTDLHAFENLEIIRGRT 406

RESULT 39

US-08-336-708A-9
; Sequence 9, Application US/08336708A
; Patent No. 5521295
; GENERAL INFORMATION:
; APPLICANT: Pacifici, Robert E.
; APPLICANT: Thomason, Arlen R.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Hybrid Receptor Molecules
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.

; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/336,708A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy
; REFERENCE/DOCKET NUMBER: A-241A
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 644 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-336-708A-9

Query Match 41.2%; Score 316.5; DB 1; Length 644;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVDHGCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVERTVREITGYLNIQS 117
:::| | || | |: | | | : | ||::|:: :||:||||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFHTPTPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 40
US-11-878-050-436
; Sequence 436, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL001591ORD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 436
; LENGTH: 657

; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-436

Query Match 41.2%; Score 316.5; DB 3; Length 657;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVDTHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | | | | |:| | | | : | | |::|:: :|:| | | | | | |:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 41
US-11-878-050-437
; Sequence 437, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL001591ORD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 437
; LENGTH: 705
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-437

Query Match 41.2%; Score 316.5; DB 3; Length 705;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVDTHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | | | | |:| | | | : | | |::|:: :|:| | | | | | |:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 42

US-10-877-773A-134
; Sequence 134, Application US/10877773A
; Patent No. 7628986
; GENERAL INFORMATION
; APPLICANT: Weber, Richard
; APPLICANT:Feng, Xiao
; APPLICANT:Foord, Orit
; APPLICANT:Green, Larry
; APPLICANT:Gudas, Jean
; APPLICANT:Keyt, Bruce
; APPLICANT:Liu, Ying
; APPLICANT:Rathanaswami, Palaniswami
; APPLICANT:Raya, Robert
; APPLICANT:Yang, Xiao Dong
; APPLICANT:Corvalan, Jose
; APPLICANT:Foltz, Ian
; APPLICANT:Jia, Xiao-Chi
; APPLICANT:Kang, Jaspal
; APPLICANT:King, Chadwick T.
; APPLICANT:Klakamp, Scott L.
; APPLICANT:Su, Qiaojuan Jane
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO THE DELETION
; TITLE OF INVENTION:MUTANTS OF EPIDERMAL GROWTH FACTOR RECEPTOR AND USES THEREOF
; FILE REFERENCE: ABGENIX.087A
; CURRENT APPLICATION NUMBER: US/10/877,773A
; CURRENT FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: 60/483,145
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: 60/525,570
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/562,453
; PRIOR FILING DATE: 2004-04-15
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 134
; LENGTH: 1186
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-877-773A-134

Query Match 41.2%; Score 316.5; DB 3; Length 1186;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGCLKMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 267 CVKKCPRNYVVDHGCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 325

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | || | |: | | : | ||::|:: :|:||||:| ||:
Db 326 SINATNIKHFKNCTSSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 385

Qy 118 WPPMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 386 WPENRTDLHAFENLEIIRGRT 406

RESULT 43

US-08-484-438-7

```
; Sequence 7, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
;   APPLICANT: Plowman, Gregory D.
;   APPLICANT: Culouscou, Jean-Michel
;   APPLICANT: Shoyab, Mohammed
;   APPLICANT: Siegall, Clay B.
;   APPLICANT: Hellstr m, Ingegerd
;   APPLICANT: Hellstr m, Karl E.
;   TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
;   NUMBER OF SEQUENCES: 42
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Pennie & Edmonds
;     STREET: 1155 Avenue of the Americas
;     CITY: New York
;     STATE: New York
;     COUNTRY: U.S.A.
;     ZIP: 10036-2711
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/484,438
;     FILING DATE: 07-JUN-1995
;     CLASSIFICATION: 530
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/323,442
;     FILING DATE: 14-OCT-1994
;     APPLICATION NUMBER: US 08/150,704
;     FILING DATE: 10-NOV-1993
;     CLASSIFICATION: 530
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 07/981,165
;     FILING DATE: 24-NOV-1992
;     CLASSIFICATION: 530
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Misrock, S. Leslie
;     REGISTRATION NUMBER: 18,872
;     REFERENCE/DOCKET NUMBER: 5624-230
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (212) 790-9090
;     TELEFAX: (212) 869-8864/9741
;     TELEX: 66141 PENNIE
;   INFORMATION FOR SEQ ID NO: 7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 1210 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: unknown
;       TOPOLOGY: unknown
;     MOLECULE TYPE: protein
```

US-08-484-438-7

Query Match 41.2%; Score 316.5; DB 1; Length 1210;
 Best Local Similarity 43.3%;
 Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
 || || |:|| | ||||| | |:::|:: |: | | | | | | | |:
 Db 291 CVKKCPRNYVVDTHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
 ::::|| | || | |:| | ||: | ||::|:: :||:||||:| ||:
 Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFSLTTIGGRS 138
 || : : | || | ||:
 Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 44

US-08-475-035-4

; Sequence 4, Application US/08475035

; Patent No. 5985553

; GENERAL INFORMATION:

; APPLICANT: KING, C. R.

; APPLICANT: KRAUS, MATTHIAS H.

; APPLICANT: AARONSON, STUART A.

; TITLE OF INVENTION: HUMAN GENE RELATED TO BUT DISTINCT FROM

; TITLE OF INVENTION: EGF RECEPTOR GENE

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NEEDLE & ROSENBERG, P.C.

; STREET: Suite 1200, 127 Peachtree Street

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: USA

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/475,035

; FILING DATE: 7 Jun 1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414.656

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 404/688-0770

; TELEFAX: 404/688-9880

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1210 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-475-035-4

Query Match 41.2%; Score 316.5; DB 1; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGMKMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | | | :
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | | | | |:| | | | : | | |::|:: :|:| | | | | | | | :
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPMHNFVSFVSNLTTIGGRS 138
| | : : | | | | | | :
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 45

US-09-715-249-2

; Sequence 2, Application US/09715249
; Patent No. 6790614
; GENERAL INFORMATION:
; APPLICANT: NOVARTIS AG
; APPLICANT: VERES, GABOR
; APPLICANT: PIPPIG, SUSANNE
; TITLE OF INVENTION: selectable cell surface marker genes
; FILE REFERENCE: 4-31192
; CURRENT APPLICATION NUMBER: US/09/715,249
; CURRENT FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: us 60/166594
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: us 09/539248
; PRIOR FILING DATE: 2000-03-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: EGFR

US-09-715-249-2

Query Match 41.2%; Score 316.5; DB 2; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGMKMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | | | :
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | | | | |:| | | | : | | |::|:: :|:| | | | | | | | :
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPMHNFVSFVSNLTTIGGRS 138
| | : : | | | | | | :
Db 410 WPENRTDLHAFENLEIIRGRT 430

Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 46

US-10-394-322A-16
; Sequence 16, Application US/10394322A
; Patent No. 7202033
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-16

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:| | |||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVERTVREITGYLNIQS 117
:::| | || | |:| | || : | ||:|:: :|:||||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFSLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 47

US-11-294-621-512
; Sequence 512, Application US/11294621
; Patent No. 7294468
; GENERAL INFORMATION:
; APPLICANT: BELL, DAPHNE WINIFRED
; APPLICANT: HABER, DANIEL A.
; APPLICANT: JANNE, PASI ANTERO
; APPLICANT: JOHNSON, BRUCE E.
; APPLICANT: LYNCH, THOMAS J.
; APPLICANT: MEYERSON, MATTHEW
; APPLICANT: PAEZ, JUAN GUILLERMO
; APPLICANT: SELLERS, WILLIAM R.
; APPLICANT: SETTLEMAN, JEFFREY E.
; APPLICANT: SORDELLA, RAFFAELLA
; TITLE OF INVENTION: METHOD TO DETERMINE RESPONSIVENESS OF CANCER TO

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR TARGETING
; TITLE OF INVENTION: TREATMENTS
; FILE REFERENCE: 030258-055147
; CURRENT APPLICATION NUMBER: US/11/294,621
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: PCT/US05/010645
; PRIOR FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: 60/558,218
; PRIOR FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: 60/561,095
; PRIOR FILING DATE: 2004-04-09
; PRIOR APPLICATION NUMBER: 60/565,753
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60/565,985
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60/574,035
; PRIOR FILING DATE: 2004-05-25
; PRIOR APPLICATION NUMBER: 60/577,916
; PRIOR FILING DATE: 2004-06-07
; PRIOR APPLICATION NUMBER: 60/592,287
; PRIOR FILING DATE: 2004-07-29
; NUMBER OF SEQ ID NOS: 762
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 512
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-294-621-512

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGMKCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | || | |:| | || : | ||:|:: :|:||||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 48
US-10-503-486-15
; Sequence 15, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486

; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)..(24)
US-10-503-486-15

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | || | |: | | | : | ||:|:: :||:||||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 49
US-11-622-061B-32
; Sequence 32, Application US/11622061B
; Patent No. 7588895
; GENERAL INFORMATION
; APPLICANT: The Regents of the University of California
; APPLICANT:Wong, David T. W.
; APPLICANT:Zhou, Xiaofeng
; TITLE OF INVENTION: Biomarkers for Oral Tongue Cancer Metastasis and Extracapsular
; TITLE OF INVENTION:Spread (ECS)
; FILE REFERENCE: 02307K-166410US
; CURRENT APPLICATION NUMBER: US/11/622,061B
; CURRENT FILING DATE: 2008-04-14
; PRIOR APPLICATION NUMBER: US 60/758,432
; PRIOR FILING DATE: 2006-01-11
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 32
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: EGFR
US-11-622-061B-32

Query Match 41.2%; Score 316.5; DB 3; Length 1210;

Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | || | |: | | | : | ||::|:: :|:||||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 50

US-11-878-050-438
; Sequence 438, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL001591ORD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 438
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-438

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | || | |: | | | : | ||::|:: :|:||||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 51

US-11-878-050-439
; Sequence 439, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.

; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL001591ORD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 439
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-439

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVDHGSVCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | || | |: | | | : | ||::|:: :|:| |||:| ||:
Db 350 SINATNIKHFKNCTISISGDLHILPVAFRGDSFHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPMHNFVFSNLTTIGGRS 138
|| : : | || | ||:
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 52
US-10-586-499A-6
; Sequence 6, Application US/10586499A
; Patent No. 7655751
; GENERAL INFORMATION
; APPLICANT: ITOH, Kyogo
; APPLICANT:SHICHIJO, Shigeki
; TITLE OF INVENTION: Epidermal growth factor receptor (EGFR)-derived peptides
; FILE REFERENCE: 547586
; CURRENT APPLICATION NUMBER: US/10/586,499A
; CURRENT FILING DATE: 2009-08-19
; PRIOR APPLICATION NUMBER: JP 2004-015676
; PRIOR FILING DATE: 2004-01-23
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-586-499A-6

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVDHGSVCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | | | | : | | : | | : : : | : | : | :
Db 350 SINATNIKHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFSLTTIGGRS 138
| : : | | | :
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 53
US-10-387-252A-2
; Sequence 2, Application US/10387252A
; Patent No. 7662793
; GENERAL INFORMATION:
; APPLICANT: He, Yukai
; APPLICANT: Grandis, Jennifer Rubin
; APPLICANT: Huang, Leaf
; TITLE OF INVENTION: Inhibition of Human Squamous Cell Carcinoma Growth In
; TITLE OF INVENTION: Vivo by Epidermal Growth Factor Receptor Antisense RNA
; TITLE OF INVENTION: Transcribed From a Pol III Promoter
; FILE REFERENCE: HeGrandisHuang
; CURRENT APPLICATION NUMBER: US/10/387,252A
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: 60/140,136
; PRIOR FILING DATE: 1999-06-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-387-252A-2

Query Match 41.2%; Score 316.5; DB 3; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 27; Mismatches 48; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
| | | | : | | | | | | : : | : | | | | | :
Db 291 CVKKCPRNYVVDTHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
:::| | | | | : | | : | | : : : | : | : | :
Db 350 SINATNIKHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVSFSLTTIGGRS 138
| : : | | | :
Db 410 WPENRTDLHAFENLEIIRGRT 430

RESULT 54
US-09-723-307-67
; Sequence 67, Application US/09723307
; Patent No. 6892140
; GENERAL INFORMATION:
; APPLICANT: CALENOFF, EMANUEL

; APPLICANT: DITLOW, CHARLES C.
; TITLE OF INVENTION: IMMUNOGENIC CANCER PEPTIDES AND USES THEREOF
; FILE REFERENCE: 21417-91482
; CURRENT APPLICATION NUMBER: US/09/723,307
; CURRENT FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-723-307-67

Query Match 41.0%; Score 314.5; DB 2; Length 1210;
Best Local Similarity 43.3%;
Matches 61; Conservative 26; Mismatches 49; Indels 5; Gaps 3;

Qy 2 CVASCPHNFVV-DQTSCVRACPPDKMEVDKNGLMCEPCGGLCPKACEGTGSGSRFQ--- 57
|| || |:|| | ||||| | |:::|:: |: | | | | | | | | |:
Db 291 CVKKCPRNYVVTDHGSCVRACGADSYEMEEEDGVRKCKKCEGPCRKVCNGIGIG-EFKDSL 349

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
::|::|| | :|| | |:| | || : | |||::|:: :||:||||:| ||:
Db 350 SIDATNIKHFKDCTISISGDLHILPVAFRGDSFHTPTPLDPQELDILKTVKEITGFLLIQA 409

Qy 118 WPPHMHNFVFSNLTTIGGRS 138
|| : | || | ||:
Db 410 WPEDRTDLHAFENLEIIRGRT 430

RESULT 55

US-09-493-480-8
; Sequence 8, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat HER-2/neu
US-09-493-480-8

Query Match 37.8%; Score 290; DB 3; Length 654;
Best Local Similarity 42.3%;

Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | | :|
Db 296 CVTTCPPYNYLSTEVGSCTLVCPNPNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | |: | | || |:| || :|| | | ||:| || |: ||||| |
Db 356 --AITSNDVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPHMHNFSVFSNLTTIGGR 137
:|| : : ||| || | ||
Db 414 SAWPDSLRLDLSVFQNLRIIRGR 435

RESULT 56

US-09-632-507A-8

; Sequence 8, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat Her-2/neu
US-09-632-507A-8

Query Match 37.8%; Score 290; DB 3; Length 654;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | | :|
Db 296 CVTTCPPYNYLSTEVGSCTLVCPNPNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | |: | | || |:| || :|| | | ||:| || |: ||||| |
Db 356 --AITSNDVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPHMHNFSVFSNLTTIGGR 137
:|| : : ||| || | ||
Db 414 SAWPDSLRLDLSVFQNLRIIRGR 435

RESULT 57

US-09-854-356-8
; Sequence 8, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat HER-2/neu
US-09-854-356-8

Query Match 37.8%; Score 290; DB 3; Length 654;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | | :|
Db 296 CVTTCPYNYLSTEVGSCTLVCPNPNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | | : | | || | : | || : || | | | : | | | | | | |
Db 356 --AITSDNVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPMHNFVSVFSNLTTIGGR 137
: || : : || | | | |
Db 414 SAWPDSLRLDSVFQNLRIIRGR 435

RESULT 58

US-09-493-480-2
; Sequence 2, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)

US-09-493-480-2

Query Match 37.8%; Score 290; DB 3; Length 1256;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | | :|
Db 296 CVTTCPPYNYLSTEVGSCTLVCPNMQEVTAEEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | | : | | || | :| || :|| | | ||:| || | :| ||||| |
Db 356 --AITSDNVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPMHNFVSFVSNLTTIGGR 137
:|| : : ||| || | ||
Db 414 SAWPDSLRLDSVFQNLRIIRGR 435

RESULT 59
US-09-632-507A-2
; Sequence 2, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat Her-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)

US-09-632-507A-2

Query Match 37.8%; Score 290; DB 3; Length 1256;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | :|
Db 296 CVTTCPYNYLSTEVGSCTLVCPNQNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | |: | | || |:| || :|| | | ||:| || |: ||||| |
Db 356 --AITSDNVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPMHNFVSVFSNLTTIGGR 137
:|| : : ||| || | ||
Db 414 SAWPDSLRLDSVFNQNLRIIRGR 435

RESULT 60
US-09-854-356-2
; Sequence 2, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)

US-09-854-356-2

Query Match 37.8%; Score 290; DB 3; Length 1256;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | | :|
Db 296 CVTTCPYNYLSTEVGSCTLVCPNQNQEVTAEEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | | : | | || | : | || : || | | | : | || || | |
Db 356 --AITSDNVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPHMHNFVSFSLTTIGGR 137
: || : : || | | | |
Db 414 SAWPDSLRLDSVFNQLRIIRGR 435

RESULT 61
US-10-484-067-2
; Sequence 2, Application US/10484067
; Patent No. 7446185

; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF CALIFORNIA
; APPLICANT: NELSON, Edward L.
; TITLE OF INVENTION: HER2/NEU TARGET ANTIGEN AND USE OF SAME TO STIMULATE AN IMMUNE RESPONSE
; FILE REFERENCE: UCI1170-1
; CURRENT APPLICATION NUMBER: US/10/484,067
; CURRENT FILING DATE: 2004-01-15
; PRIOR APPLICATION NUMBER: PCT/US02/22975
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US 60/306,250
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1257
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-484-067-2

Query Match 37.8%; Score 290; DB 3; Length 1257;
Best Local Similarity 42.3%;
Matches 60; Conservative 20; Mismatches 54; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | : | | | | :|
Db 296 CVTTCOPYNYLSTEVGSCTLVCPNQNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLRGAR 355

Qy 56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | | : | | || | :| || :|| | | ||:| || | : ||||| |
Db 356 --AITSDNVQEFDGCKKIFGSLAFLPESFDGDPSSGIAPLRPEQLQVFETLEEITGYLYI 413

Qy 116 QSWPPMHNFVSFVSNLTTIGGR 137
:|| : : ||| || | ||
Db 414 SAWPDSLRLDLSVFQNLRIIRGR 435

RESULT 62
US-10-877-773A-135
; Sequence 135, Application US/10877773A
; Patent No. 7628986
; GENERAL INFORMATION
; APPLICANT: Weber, Richard
; APPLICANT:Feng, Xiao
; APPLICANT:Foord, Orit
; APPLICANT:Green, Larry
; APPLICANT:Gudas, Jean
; APPLICANT:Keyt, Bruce
; APPLICANT:Liu, Ying
; APPLICANT:Rathanaswami, Palaniswami
; APPLICANT:Raya, Robert
; APPLICANT:Yang, Xiao Dong
; APPLICANT:Corvalan, Jose
; APPLICANT:Foltz, Ian
; APPLICANT:Jia, Xiao-Chi
; APPLICANT:Kang, Jaspal
; APPLICANT:King, Chadwick T.

Query Match 37.6%; Score 288.5; DB 3; Length 919;
Best Local Similarity 42.5%;
Matches 57; Conservative 27; Mismatches 45; Indels 5; Gaps 3;

Qy	9	NFVV-DQTSCVRACPPDKMEVDKNGLKMCCEPCGGLCPKACEGTGSGSRFQ---TVDSSNI	64
		:: : ::::: : : :::::	
Db	7	NYVVTDHGSCVRACGADSYEMEEDGVRCKCKCEGPCRKVCNIGIG-EFKDSLSINATNI	65
Qy	65	DGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSPPHMHN	124
		: : ::: : : : : : :	
Db	66	KHFKNCTSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQAWPENRTD	125
Qy	125	FSVFSNLTTIGGRS	138
		:	
Db	126	LHAFENLEIIRGRT	139

```
; Sequence 2, Application US/11209187
; Patent No. 7449559
; GENERAL INFORMATION:
;   APPLICANT: CSIRO Molecular and Health Technologies
;   TITLE OF INVENTION: Truncated EGF Receptor
;   FILE REFERENCE: 502897
;   CURRENT APPLICATION NUMBER: US/11/209,187
;   CURRENT FILING DATE: 2007-08-08
;   NUMBER OF SEQ ID NOS: 4
;   SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
;   LENGTH: 631
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-209-187-2
```

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Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 274 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 333

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 334 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 393

Qy 118 WPPMHNFVSVFSLTTIGGR 137
|| : : ||| || | ||
Db 394 WPDSLPLDLSVFQNLQVIRGR 413

RESULT 64

US-09-602-812A-13
; Sequence 13, Application US/09602812A
; Patent No. 6949245
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/09/602,812A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-602-812A-13

Query Match 36.7%; Score 282; DB 2; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPMHNFVSVFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 65

US-09-921-161-1

; Sequence 1, Application US/09921161
; Patent No. 6984494
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT.066A
; CURRENT APPLICATION NUMBER: US/09/921,161
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-921-161-1

Query Match 36.7%; Score 282; DB 2; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||:|:|:| | || || ||:|:| | | :| | | :
Db 295 CVTACPYNYLSTDVGSLTVCLPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | | | |:| || :|| | ||:| || |: | || | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 66
US-09-602-800A-13
; Sequence 13, Application US/09602800A
; Patent No. 7041292
; GENERAL INFORMATION:
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: TREATING PROSTATE CANCER WITH ANTI-ErbB2 ANTIBODIES
; FILE REFERENCE: 39766-0142D1
; CURRENT APPLICATION NUMBER: US/09/602,800A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,315
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-602-800A-13

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354
Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414
Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 67

US-11-213-557-1

; Sequence 1, Application US/11213557
; Patent No. 7279287
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT.066A
; CURRENT APPLICATION NUMBER: US/11/213,557
; CURRENT FILING DATE: 2005-08-26
; PRIOR APPLICATION NUMBER: US/09/921,161
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-213-557-1

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354
Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414
Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 68

US-11-429-043-13

; Sequence 13, Application US/11429043
; Patent No. 7485302

; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/429,043
; CURRENT FILING DATE: 2006-05-05
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-429-043-13

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHFNV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 69
US-11-222-587-13
; Sequence 13, Application US/11222587
; Patent No. 7498030
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/222,587
; CURRENT FILING DATE: 2005-09-09
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645

; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-222-587-13

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLNLTITIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 70
US-11-223-361-13
; Sequence 13, Application US/11223361
; Patent No. 7501122
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/223,361
; CURRENT FILING DATE: 2005-09-09
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-223-361-13

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSVFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 71

US-11-429-361-13
; Sequence 13, Application US/11429361
; Patent No. 7537931
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/429,361
; CURRENT FILING DATE: 2006-05-05
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-429-361-13

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:| | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSVFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 72

US-11-154-465-13
; Sequence 13, Application US/11154465
; Patent No. 7618631
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2

; CURRENT APPLICATION NUMBER: US/11/154,465
; CURRENT FILING DATE: 2005-06-16
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-154-465-13

Query Match 36.7%; Score 282; DB 3; Length 645;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 73

US-09-493-480-3

; Sequence 3, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-493-480-3

Query Match 36.7%; Score 282; DB 3; Length 653;
Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHLNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 74

US-09-632-507A-3

; Sequence 3, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human Her-2/neu
US-09-632-507A-3

Query Match 36.7%; Score 282; DB 3; Length 653;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHLNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 75

US-09-854-356-3
; Sequence 3, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3

Query Match 36.7%; Score 282; DB 3; Length 653;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCITLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLNLTITIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 76

US-12-291-886-14
; Sequence 14, Application US/12291886
; Patent No. 7662586
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Gallo, Pasquale
; APPLICANT: Nuzzo, Maurizio
; TITLE OF INVENTION: SYNTHETIC GENE ENCODING HUMAN EPIDERMAL
; TITLE OF INVENTION: GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF
; FILE REFERENCE: ITR0065YP

; CURRENT APPLICATION NUMBER: US/12/291,886
; CURRENT FILING DATE: 2008-11-14
; PRIOR APPLICATION NUMBER: US/10/565,418
; PRIOR FILING DATE: 2006-01-23
; PRIOR APPLICATION NUMBER: PCT/EP2004/008234
; PRIOR FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: 60/489,237
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 675
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HER2ECDTM polypeptide
US-12-291-886-14

Query Match 36.7%; Score 282; DB 3; Length 675;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||:|:|:| | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSLTVCLPHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 77
US-09-493-480-7
; Sequence 7, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu

US-09-493-480-7

Query Match 36.7%; Score 282; DB 3; Length 712;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 78

US-09-632-507A-7

; Sequence 7, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and delta PD of human Her-2/neu

US-09-632-507A-7

Query Match 36.7%; Score 282; DB 3; Length 712;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | | | |:| | | :| | | | | | | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
| | : : | | | | | | | |
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 79

US-09-854-356-7

; Sequence 7, Application US/09854356

; Patent No. 7375091

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/854,356

; CURRENT FILING DATE: 2001-05-09

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 7

; LENGTH: 712

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:fusion protein

; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu

US-09-854-356-7

Query Match 36.7%; Score 282; DB 3; Length 712;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
| | :| |:| :| | | | | | | | :| | | | :
Db 295 CVTACPYNYLSTDVGSLTLVCLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | | | |:| | | :| | | | | | | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
| | : : | | | | | | | |
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 80

US-09-146-283-4

; Sequence 4, Application US/09146283

; Patent No. 5976546
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Compositions
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/146,283
; FILING DATE: 03-SEPT-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-09-146-283-4

Query Match 36.7%; Score 282; DB 1; Length 782;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ	57
		: : :: :: : : :	
Db	295	CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR	354
Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		: : : : : :	
Db	355	AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA	414
Qy	118	WPPHMHNFSVFSNLTTIGGR	137
		: :	
Db	415	WPDSLPLDSVFQNLQVIRGR	434

RESULT 81

US-08-579-823A-4

; Sequence 4, Application US/08579823A
; Patent No. 6080409
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Composition and Method
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,823A
; FILING DATE: 03-DEC-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8

US-08-579-823A-4

Query Match 36.7%; Score 282; DB 2; Length 782;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || :|| : || | | : || | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :

Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLNLTIGGR 137

|| : : ||| || | ||

Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 82

US-09-344-195-4

; Sequence 4, Application US/09344195

; Patent No. 6210662

; GENERAL INFORMATION:

; APPLICANT: Laus, Reiner

; Ruegg, Curtis L.

; Wu, Hongyu

; TITLE OF INVENTION: Immunostimulatory Compositions

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dehlinger & Associates

; STREET: 350 Cambridge Ave. Suite 250

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/344,195

; FILING DATE: 24-Jun-1999

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/146,283

; FILING DATE: 03-SEPT-1998

; ATTORNEY/AGENT INFORMATION:

; NAME: Judge, Linda R.

; REGISTRATION NUMBER: 42,702

; REFERENCE/DOCKET NUMBER: 7636-0010.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-324-0880

; TELEFAX: 650-324-0960

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 782 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: homo sapiens

; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8

; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4

Query Match 36.7%; Score 282; DB 2; Length 782;

Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 83

US-09-493-480-6

; Sequence 6, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-493-480-6

Query Match 36.7%; Score 282; DB 3; Length 919;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 84

US-09-632-507A-6
; Sequence 6, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and PD of human Her-2/neu
US-09-632-507A-6

Query Match 36.7%; Score 282; DB 3; Length 919;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSV FQNLQVIRGR 434

RESULT 85

US-09-854-356-6
; Sequence 6, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

Query Match 36.7%; Score 282; DB 3; Length 919;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||:|:|:| | || || ||:|:| | | :| | | :
Db 295 CVTACPYNYLSTDVGSTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | || |:| || :|| | |:| || |:| ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 86
US-09-632-507A-29
; Sequence 29, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 926
; TYPE: PRT

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:mouse
; OTHER INFORMATION: ECD-PD-TcP0 fusion protein
US-09-632-507A-29

Query Match 36.7%; Score 282; DB 3; Length 926;
Best Local Similarity 41.5%;
Matches 59; Conservative 18; Mismatches 57; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
|| :||:|:: : || |||: || ::| : || | | | | :|
Db 296 CVTTCOPYNYLSTEVGSCTLVCPNNEVTAEDGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy 56 FQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
: | || | | || |:| || :|:| : | || | || |:| ||||| |
Db 356 --AITSNIEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPEHLQVFETLEEITGYLYI 413

Qy 116 QSWPPHMHNFVFSNLTTIGGR 137
:|| : ||| || | ||
Db 414 SAWPESFQDLSVFNLRVIRGR 435

RESULT 87
US-10-146-473-72
; Sequence 72, Application US/10146473
; Patent No. 7335467
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: L00461/70130(JRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US 60/291,150
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 72
; LENGTH: 1253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-473-72

Query Match 36.7%; Score 282; DB 3; Length 1253;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || :|:| : || | | :| || | :
Db 295 CVTACOPYNYLSTDVGSCTLVCPNNEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117

```

      | :| | | | | | | :| | | :| | | | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      | | : : | | | | | | |
Db      415 WPDSLPLDSVFNQLQVIRGR 434
```

RESULT 88

US-08-467-083-68

; Sequence 68, Application US/08467083

; Patent No. 5726023

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN

; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed and Berry

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,083

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/414,417

; FILING DATE: 06-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; TELEX: 3723836 SEEDANBERRY

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-467-083-68

Query Match 36.7%; Score 282; DB 1; Length 1255;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 89

US-08-414-417B-68

; Sequence 68, Application US/08414417B

; Patent No. 5801005

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed and Berry LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/414,417B

; FILING DATE: 31-MAR-1995

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-414-417B-68

Query Match 36.7%; Score 282; DB 1; Length 1255;

Best Local Similarity 42.1%;

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : | || | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 90

US-08-484-438-8

; Sequence 8, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-484-438-8

Query Match 36.7%; Score 282; DB 1; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :| | | | | :| | | :| | | | : | | | | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
| | : : | | | | | |
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 91

US-08-486-348A-68
; Sequence 68, Application US/08486348A
; Patent No. 5846538
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,348A
; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

US-08-486-348A-68

Query Match 36.7%; Score 282; DB 1; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCITLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 92

US-08-625-101-2

; Sequence 2, Application US/08625101
; Patent No. 5869445
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
; TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/625,101
; FILING DATE: 01-APR-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-625-101-2

Query Match 36.7%; Score 282; DB 1; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||:|:|:| | || || ||:|:| | | :| | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | || |:| || :|| | ||:| || |:| ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 93
US-08-468-545B-68
; Sequence 68, Application US/08468545B
; Patent No. 5876712
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,545B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-468-545B-68

Query Match 36.7%; Score 282; DB 1; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 94
US-08-356-786-2
; Sequence 2, Application US/08356786
; Patent No. 5877305
; GENERAL INFORMATION:
; APPLICANT: Huston, James S.
; APPLICANT: Oppermann, Hermann
; APPLICANT: Houston, L. L.
; APPLICANT: Ring, David B.
; TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
; TITLE OF INVENTION: Marker
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibeault
; STREET: Exchange Place, 53 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/356,786
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/831,967
; FILING DATE: 06-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: CRP-053
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-356-786-2

Query Match 36.7%; Score 282; DB 1; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 95
US-08-466-680B-68
; Sequence 68, Application US/08466680B
; Patent No. 6075122
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle

; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,680B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-466-680B-68

Query Match 36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : || || | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPMHNFVSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 96
US-09-527-487-2
; Sequence 2, Application US/09527487
; Patent No. 6528060
; GENERAL INFORMATION:
; APPLICANT: Nicolette, Charles
; TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
; FILE REFERENCE: 126881309200
; CURRENT APPLICATION NUMBER: US/09/527,487
; CURRENT FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1255

; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-527-487-2

Query Match 36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 97
US-09-811-115-3
; Sequence 3, Application US/09811115
; Patent No. 6632979
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT.034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-115-3

Query Match 36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||

Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 98

US-09-354-533-68

; Sequence 68, Application US/09354533
; Patent No. 6664370
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/354,533
; FILING DATE: 15-Jul-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C9
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-354-533-68

Query Match 36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||::|::| | || || ||::|: || | | : | | | :
Db 295 CVTACPYNYLSTDVGSLTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354
Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |::| | | || |::| || :|| | ||:| ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 99

US-09-441-411-6
; Sequence 6, Application US/09441411
; Patent No. 6734172
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellstrom, Ingegerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409
; CURRENT APPLICATION NUMBER: US/09/441,411
; CURRENT FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-441-411-6

Query Match 36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCITLVCPLHNQEVTAEEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 100

US-09-167-516-2
; Sequence 2, Application US/09167516
; Patent No. 6953573
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
; TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP

;
; STREET: 6300 Columbia Center, 701 Fifth Avenue
;
; CITY: Seattle
;
; STATE: Washington
;
; COUNTRY: USA
;
; ZIP: 98104-7092
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/09/167,516
;
; FILING DATE:
;
; CLASSIFICATION:
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/625,101
;
; FILING DATE: 01-APR-1996
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Sharkey, Richard G.
;
; REGISTRATION NUMBER: 32,629
;
; REFERENCE/DOCKET NUMBER: 920010.448C7
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (206) 622-4900
;
; TELEFAX: (206) 682-6031
;
; INFORMATION FOR SEQ ID NO: 2:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 1255 amino acids
;
; TYPE: amino acid
;
; TOPOLOGY: linear
;
; MOLECULE TYPE: protein
US-09-167-516-2

Query Match 36.7%; Score 282; DB 2; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:| | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : |||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 101
US-09-806-703A-4
; Sequence 4, Application US/09806703A
; Patent No. 7005498
; GENERAL INFORMATION:
; APPLICANT: Steinaa, Lucilla
; APPLICANT: Mouritsen, Soren
; APPLICANT: Gautam, Anand

; APPLICANT: Dalum, Iben
; APPLICANT: Haaning, Jesper
; APPLICANT: Leach, Dana
; APPLICANT: Nielsen, Klaus
; APPLICANT: Karlsson, Gunilla
; APPLICANT: Rasmussen, Peter
; TITLE OF INVENTION: No. 7005498e1 Methods for Therapeutic Vaccination
; FILE REFERENCE: 3631-0109P
; CURRENT APPLICATION NUMBER: US/09/806,703A
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: PCT/DK99/00525
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: DK 1998 01261
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: US 60/105,011
; PRIOR FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-806-703A-4

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 102
US-09-811-123-9
; Sequence 9, Application US/09811123
; Patent No. 7097840
; GENERAL INFORMATION:
; APPLICANT: Sharon Erickson
; APPLICANT: Ralph Schwall
; APPLICANT: Mark Sliwowski
; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ErbB
; TITLE OF INVENTION: ANTIBODY-MAYTANSINOID CONJUGATES
; FILE REFERENCE: GENENT.073A2
; CURRENT APPLICATION NUMBER: US/09/811,123
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/238,327
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 09/602,530

; PRIOR FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-123-9

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 103
US-10-272-437B-28
; Sequence 28, Application US/10272437B
; Patent No. 7098302
; GENERAL INFORMATION:
; APPLICANT: Krag, David N.
; APPLICANT: Pero, Stephanie C.
; APPLICANT: Oligino, Lyn
; TITLE OF INVENTION: BINDING PEPTIDES SPECIFIC FOR THE EXTRACELLULAR DOMAIN OF ERBB2 AND
; TITLE OF INVENTION: USES THEREFOR
; FILE REFERENCE: V0139.70056US00
; CURRENT APPLICATION NUMBER: US/10/272,437B
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/329,183
; PRIOR FILING DATE: 2001-10-12
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-272-437B-28

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | | | |:| | | :| | | | | | | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
| | : : | | | | | | |
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 104

US-10-207-498-6

; Sequence 6, Application US/10207498
; Patent No. 7125680
; GENERAL INFORMATION:
; APPLICANT: Elizabeth Singer
; APPLICANT: Ralf Landgraf
; APPLICANT: Dennis J. Slamon
; APPLICANT: David Eisenberg
; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/10/207,498
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-207-498-6

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
| | :| |:| :| | | | | | | :| | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | | | |:| | | :| | | | | | | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
| | : : | | | | | | |
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 105

US-10-322-892-4

; Sequence 4, Application US/10322892
; Patent No. 7133725
; GENERAL INFORMATION:
; APPLICANT: STIRBL, ROBERT C.
; APPLICANT: SNEAD, MALCOLM L.

; APPLICANT: XU, JIMMY
; APPLICANT: VITETTA, ELLEN S.
; APPLICANT: WILK, PETER J.
; TITLE OF INVENTION: METHOD AND RELATED COMPOSITION EMPLOYING NANOSTRUCTURES
; FILE REFERENCE: W07-505
; CURRENT APPLICATION NUMBER: US/10/322,892
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/342,894
; PRIOR FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-322-892-4

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||:|:|:| | || || ||:|:| | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | || |:| || :|| | ||:| || |: | || | | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSV FQNLQVIRGR 434

RESULT 106
US-10-253-286-553
; Sequence 553, Application US/10253286
; Patent No. 7179645
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: Ii-KEY/ANTIGENIC EPITOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2015
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 553
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-253-286-553

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Query Match          36.7%;  Score 282;  DB 3;  Length 1255;
Best Local Similarity 42.1%;
Matches    59;  Conservative    17;  Mismatches    60;  Indels      4;  Gaps      3;

Qy          2 CVASCPHNFV-VDQTSQVRAKPPDKMEVD-KNGLKMCPECGGLCPKACEGTGSG--SRFQ 57
           || :||:|:: | || || || ::| : || | | : | | | :
Db          295 CVTACPYNYLSTDVGSCTLVCPHLNQEVTAEDGTQRCQKCSKPCARVCYGLGMEHLREVR 354

Qy          58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
           | |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db          355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy          118 WPPHMHNFVSVFSNLTTIGGR 137
           || : : ||| || | ||
Db          415 WPDSLPLDSVFNQLQVIRGR 434
```

RESULT 107

US-09-493-480-1

```
; Sequence 1, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
```

US-09-493-480-1

```
Query Match          36.7%;  Score 282;  DB 3;  Length 1255;
Best Local Similarity 42.1%;
```

Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 108

US-10-394-322A-17
; Sequence 17, Application US/10394322A
; Patent No. 7202033
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-17

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :| || :|| | || :| || | : ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 109

US-09-632-507A-1
; Sequence 1, Application US/09632507A
; Patent No. 7229623

; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human Her-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)

US-09-632-507A-1

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy	2	CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ	57
		: : :: :: : : :	
Db	295	CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR	354
Qy	58	TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS	117
		: : : : : :	
Db	355	AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA	414
Qy	118	WPPHMHNFSVFSNLTTIGGR	137
		: :	
Db	415	WPDSLPLDSVFNQLQVIRGR	434

RESULT 110
US-10-647-005-68
; Sequence 68, Application US/10647005
; Patent No. 7247703

; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed IP Law Group PLLC
; STREET: 701 Fifth Avenue Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/647,005
; FILING DATE: 21-Aug-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-10-647-005-68

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

; Sequence 6, Application US/11406679
; Patent No. 7314916
; GENERAL INFORMATION:
; APPLICANT: Elizabeth Singer
; APPLICANT: Ralf Landgraf
; APPLICANT: Dennis J. Slamon
; APPLICANT: David Eisenberg
; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/11/406,679
; CURRENT FILING DATE: 2006-04-19
; PRIOR APPLICATION NUMBER: US/10/207,498
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-406-679-6

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 112
US-10-469-162-3
; Sequence 3, Application US/10469162
; Patent No. 7348010
; GENERAL INFORMATION:
; APPLICANT: Zielinski, Christoph
; APPLICANT: Pehamberger, Hubert
; APPLICANT: Breiteneder, Heimo
; APPLICANT: Jensen-Jarolim, Erika
; APPLICANT: Scheiner, Otto
; TITLE OF INVENTION: Vaccines Against Cancerous Diseases Associated With the HER-2/neu
; TITLE OF INVENTION: oncogene
; FILE REFERENCE: K 38 132/3yv
; CURRENT APPLICATION NUMBER: US/10/469,162
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: PCT/EP02/02111

; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: EP 01104943.4
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(675)
; OTHER INFORMATION: Extracellular Domain

US-10-469-162-3

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLNLTITIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 113

US-09-854-356-1

; Sequence 1, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein

; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)

US-09-854-356-1

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 114

US-09-638-834E-37
; Sequence 37, Application US/09638834E
; Patent No. 7396810
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
; TITLE OF INVENTION: CELLS THAT EXPRESS EITHER p185HER-2 OR THE EGF RECEPTOR INHIBITS
; TITLE OF INVENTION: RECEPTOR ACTIVITY AND CELL GROWTH
; FILE REFERENCE: 49321-12
; CURRENT APPLICATION NUMBER: US/09/638,834E
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens,L., Yang-Feng,T.L., Liao,Y.-C., Chen,E., Gray,A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139

; DATE: 1985-06-12
US-09-638-834E-37

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLVCLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFQNLQVIRGR 434

RESULT 115
US-10-484-067-1
; Sequence 1, Application US/10484067
; Patent No. 7446185
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF CALIFORNIA
; APPLICANT: NELSON, Edward L.
; TITLE OF INVENTION: HER2/NEU TARGET ANTIGEN AND USE OF SAME TO STIMULATE AN IMMUNE RESPONSE
; FILE REFERENCE: UCI1170-1
; CURRENT APPLICATION NUMBER: US/10/484,067
; CURRENT FILING DATE: 2004-01-15
; PRIOR APPLICATION NUMBER: PCT/US02/22975
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US 60/306,250
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-484-067-1

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLVCLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137

Db 415 WPDSLPLDLSVFNQLQVIRGR 434

RESULT 116

US-10-983-340-17
; Sequence 17, Application US/10983340
; Patent No. 7498298
; GENERAL INFORMATION:
; APPLICANT: Doronina, Svetlana O.
; APPLICANT: Toki, Brian E.
; APPLICANT: Senter, Peter D.
; APPLICANT: Ebens, Allen J.
; APPLICANT: Polakis, Paul
; APPLICANT: Sliwowski, Mark X.
; APPLICANT: Spencer, Susan D.
; APPLICANT: Kline, Toni Beth
; TITLE OF INVENTION: MONOMETHYLVALINE COMPOUNDS CAPABLE OF CONJUGATION TO LIGANDS
; FILE REFERENCE: 018891-001020US
; CURRENT APPLICATION NUMBER: US/10/983,340
; CURRENT FILING DATE: 2004-11-05
; PRIOR APPLICATION NUMBER: US 60/598,899
; PRIOR FILING DATE: 2004-08-04
; PRIOR APPLICATION NUMBER: US 60/557,116
; PRIOR FILING DATE: 2004-03-26
; PRIOR APPLICATION NUMBER: US 60/518,534
; PRIOR FILING DATE: 2003-11-06
; NUMBER OF SEQ ID NOS: 35
; SEQ ID NO 17
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-983-340-17

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:| | || || || :|| : || | | : || | :
Db 295 CVTACPYNYLSTDVGSCITLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354
Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| | :|| | | || | :|| | :|| | || : || || | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414
Qy 118 WPPHMHNFVSVFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFNQLQVIRGR 434

RESULT 117

US-10-503-486-5
; Sequence 5, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation

; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-5

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSC TLV CPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSV FQNLQVIRGR 434

RESULT 118
US-10-563-888A-6
; Sequence 6, Application US/10563888A
; Patent No. 7531649
; GENERAL INFORMATION:
; APPLICANT: Chi-Hong B. Chen
; APPLICANT: Ralf Landgraf
; TITLE OF INVENTION: APTAMERS TO HUMAN EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTOR-3
; FILE REFERENCE: 30448108USWO
; CURRENT APPLICATION NUMBER: US/10/563,888A
; CURRENT FILING DATE: 2006-01-09
; PRIOR APPLICATION NUMBER: 60/488,679
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: PCT/US04/23039
; PRIOR FILING DATE: 2004-07-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-563-888A-6

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Query Match          36.7%;  Score 282;  DB 3;  Length 1255;
Best Local Similarity 42.1%;
Matches   59;  Conservative   17;  Mismatches   60;  Indels     4;  Gaps     3;

Qy          2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
           || :||:|:: | ||  ||  || ::| : || | | : | | | :
Db          295 CVTACPYNYLSTDVGSCTLVCPPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy          58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
           | |:|| | | || |:| ||  :|| | ||:| || |: ||||| | :
Db          355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy          118 WPPHMHNFVSVFSNLTTIGGR 137
           || : : ||| || | ||
Db          415 WPDSLPLDSVFNQLQVIRGR 434
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RESULT 119

US-10-762-128-6

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; Sequence 6, Application US/10762128
; Patent No. 7547681
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellstrom, Ingegerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409C1
; CURRENT APPLICATION NUMBER: US/10/762,128
; CURRENT FILING DATE: 2004-01-20
; PRIOR APPLICATION NUMBER: US 09/441,411
; PRIOR FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-762-128-6
```

```
Query Match          36.7%;  Score 282;  DB 3;  Length 1255;
Best Local Similarity 42.1%;
Matches   59;  Conservative   17;  Mismatches   60;  Indels     4;  Gaps     3;

Qy          2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
           || :||:|:: | ||  ||  || ::| : || | | : | | | :
Db          295 CVTACPYNYLSTDVGSCTLVCPPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy          58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
           | |:|| | | || |:| ||  :|| | ||:| || |: ||||| | :
Db          355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy          118 WPPHMHNFVSVFSNLTTIGGR 137
           || : : ||| || | ||
Db          415 WPDSLPLDSVFNQLQVIRGR 434
```

RESULT 120

US-11-488-545-9

; Sequence 9, Application US/11488545
; Patent No. 7575748
; GENERAL INFORMATION:
; APPLICANT: Sharon Erickson
; APPLICANT: Ralph Schwall
; APPLICANT: Mark Sliwkowski
; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ErbB
; TITLE OF INVENTION: ANTIBODY-MAYTANSINOID CONJUGATES
; FILE REFERENCE: GENENT.073A2
; CURRENT APPLICATION NUMBER: US/11/488,545
; CURRENT FILING DATE: 2006-07-17
; PRIOR APPLICATION NUMBER: 60/238,327
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 09/602,530
; PRIOR FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-488-545-9

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAE DGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDLSVFQNLQVIRGR 434

RESULT 121

US-10-794-514B-1

; Sequence 1, Application US/10794514B
; Patent No. 7597894
; GENERAL INFORMATION
; APPLICANT: Graddis, Thomas
; APPLICANT: Laus, Reiner
; APPLICANT: Diegel, Michael
; APPLICANT: Vidovic, Damir
; TITLE OF INVENTION: Compositions and Methods Employing Alternative Reading Frame
; TITLE OF INVENTION: Polypeptides for the Treatment of Cancer and Infectious Disease
; FILE REFERENCE: 57636-8128.US00
; CURRENT APPLICATION NUMBER: US/10/794,514B
; CURRENT FILING DATE: 2004-03-05
; PRIOR APPLICATION NUMBER: US 60/453,131

; PRIOR FILING DATE: 2003-03-05
; NUMBER OF SEQ ID NOS: 738
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-794-514B-1

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCCKSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 122
US-11-121-347-68
; Sequence 68, Application US/11121347
; Patent No. 7601697
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; Disis, Mary L.
; TITLE OF INVENTION: COMPOSITIONS FOR ELICITING OR ENHANCING IMMUNE
; REACTIVITY TO HER-2-neu PROTEIN FOR PREVENTION OR TREATMENT OF
; MALIGNANCIES IN WHICH THE HER-2-neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed IP Law Group PLLC
; STREET: 701 Fifth Avenue Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS-MS-DOS
; SOFTWARE: PatentIn Release 1.0, Version 1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/121,347
; FILING DATE: 03-May-2005
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C11

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-11-121-347-68

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 123
US-10-344-470A-37
; Sequence 37, Application US/10344470A
; Patent No. 7608269
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
; TITLE OF INVENTION: CELLS THAT EXPRESS EITHER p185HER-2 OR THE EGF RECEPTOR INHIBITS
; TITLE OF INVENTION: RECEPTOR ACTIVITY AND CELL GROWTH
; FILE REFERENCE: 49321-81
; CURRENT APPLICATION NUMBER: US/10/344,470A
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: US 09/638,834
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: PCT/US01/25502
; PRIOR FILING DATE: 2001-08-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens,L., Yang-Feng,T.L., Liao,Y.-C., Chen,E., Gray,A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139

; DATE: 1985-06-12
US-10-344-470A-37

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLVCLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 124
US-09-506-079I-13
; Sequence 13, Application US/09506079I
; Patent No. 7625859
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; APPLICANT: Evans, Adam
; APPLICANT: Henner, William D.
; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
; FILE REFERENCE: 49321-16
; CURRENT APPLICATION NUMBER: US/09/506,079I
; CURRENT FILING DATE: 2000-02-16
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 13
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens,L., Yang-Feng,T.L., Liao,Y.-C., Chen,E., Gray,A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139
; DATE: 1985-06-12
US-09-506-079I-13

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSTLVCLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117

```

      | |:| | | | |:| | | :|| | | |:| | | | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPLDSVFNQNLQVIRGR 434
```

RESULT 125

```

US-11-821-574-68
; Sequence 68, Application US/11821574
; Patent No. 7655239
; GENERAL INFORMATION
; APPLICANT: Cheever, Martin A.
; APPLICANT:Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION:FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION:HER-2/neu ONCOGENE IS ASSOCIATED
; FILE REFERENCE: 920010.448c12
; CURRENT APPLICATION NUMBER: US/11/821,574
; CURRENT FILING DATE: 2007-11-28
; PRIOR APPLICATION NUMBER: US 10/647,005
; PRIOR FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US 09/354,533
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: US 08/466,680
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/414,417
; PRIOR FILING DATE: 1995-03-31
; PRIOR APPLICATION NUMBER: US 08/106,112
; PRIOR FILING DATE: 1993-08-12
; PRIOR APPLICATION NUMBER: US 08/033,644
; PRIOR FILING DATE: 1993-03-17
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-821-574-68
```

```

Query Match          36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;
```

```

Qy      2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
      || |:| |:| : | || || || ::| : || | | : | | | :
Db      295 CVTACPYNYLSTDVGSCTLVCPHLNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy      58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVERTVREITGYLNIQS 117
      | |:| | | | |:| | | :|| | | |:| | | | | | :
Db      355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy      118 WPPHMHNFVSFVSNLTTIGGR 137
      || : : ||| || | ||
Db      415 WPDSLPLDSVFNQNLQVIRGR 434
```

RESULT 126

US-12-291-886-2

; Sequence 2, Application US/12291886
; Patent No. 7662586
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Gallo, Pasquale
; APPLICANT: Nuzzo, Maurizio
; TITLE OF INVENTION: SYNTHETIC GENE ENCODING HUMAN EPIDERMAL
; TITLE OF INVENTION: GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF
; FILE REFERENCE: ITR0065YP
; CURRENT APPLICATION NUMBER: US/12/291,886
; CURRENT FILING DATE: 2008-11-14
; PRIOR APPLICATION NUMBER: US/10/565,418
; PRIOR FILING DATE: 2006-01-23
; PRIOR APPLICATION NUMBER: PCT/EP2004/008234
; PRIOR FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: 60/489,237
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo Sapiens, HER2
US-12-291-886-2

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFSLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFQNLQVIRGR 434

RESULT 127

US-11-343-253-4

; Sequence 4, Application US/11343253
; Patent No. 7668603
; GENERAL INFORMATION:
; APPLICANT: STIRBL, ROBERT C.
; APPLICANT: SNEAD, MALCOLM L.
; APPLICANT: XU, JIMMY
; APPLICANT: VITETTA, ELLEN S.
; APPLICANT: WILK, PETER J.
; TITLE OF INVENTION: METHOD AND RELATED COMPOSITION EMPLOYING NANOSTRUCTURES
; FILE REFERENCE: W07-505DIV

; CURRENT APPLICATION NUMBER: US/11/343,253
; CURRENT FILING DATE: 2006-01-26
; PRIOR APPLICATION NUMBER: 10/322,892
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/342,894
; PRIOR FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
US-11-343-253-4

Query Match 36.7%; Score 282; DB 3; Length 1255;
Best Local Similarity 42.1%;
Matches 59; Conservative 17; Mismatches 60; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSFVSNLTTIGGR 137
|| : : ||| || | ||
Db 415 WPDSLPLDSVFNQLQVIRGR 434

RESULT 128
US-09-493-480-14
; Sequence 14, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse HER-2/neu protein
US-09-493-480-14

```
Query Match          36.7%;  Score 282;  DB 3;  Length 1256;
Best Local Similarity 41.5%;
Matches   59;  Conservative   18;  Mismatches   57;  Indels      8;  Gaps      4;

Qy          2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
           || :||:|:: : ||   |||: || ::| : || |   |   || |   |:|
Db          296 CVTTCPYNYLSTEVGSCTLVCPNPNQEVTAEDGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy          56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
           : | || |   || | |:| ||   ::| : | || | || |: | || || |
Db          356 --AITSJNIQEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPEHLQVFETLEEITGYLYI 413

Qy          116 QSWPPMHMNF SVFSNLTTIGGR 137
           :|| : ||| || | ||
Db          414 SAWPESFQDLSVFQNLRVIRGR 435
```

RESULT 129

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US-09-632-507A-14
; Sequence 14, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse Her-2/neu protein
US-09-632-507A-14
```

```
Query Match          36.7%;  Score 282;  DB 3;  Length 1256;
Best Local Similarity 41.5%;
Matches   59;  Conservative   18;  Mismatches   57;  Indels      8;  Gaps      4;

Qy          2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
           || :||:|:: : ||   |||: || ::| : || |   |   || |   |:|
Db          296 CVTTCPYNYLSTEVGSCTLVCPNPNQEVTAEDGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy          56 FQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNI 115
           : | || |   || | |:| ||   ::| : | || | || |: | || || |
Db          356 --AITSJNIQEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPEHLQVFETLEEITGYLYI 413

Qy          116 QSWPPMHMNF SVFSNLTTIGGR 137
```

: || : ||| || | ||
Db 414 SAWPESFQDLSVFQNLRVIRGR 435

RESULT 130
US-09-854-356-14
; Sequence 14, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse HER-2/neu protein
US-09-854-356-14

Query Match 36.7%; Score 282; DB 3; Length 1256;
Best Local Similarity 41.5%;
Matches 59; Conservative 18; Mismatches 57; Indels 8; Gaps 4;

Qy 2 CVASCPHNFVVDQT-SCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTG----SGSR 55
 || :||:|:: : || |||: || :|| : || | | | | |:|
Db 296 CVTTCPPNYLSTEVGSCTLVCPNQNQEVTAE DGTQRCEKCSKPCAGVCYGLGMEHLRGAR 355

Qy 56 FQTV DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLN VFRTVREITGYLNI 115
 : | || | | || |:| || :|:| : | || | || |: | || || | |
Db 356 --AITSDNIQEFAGCKKIFGSLAFLPESFDGNPSSGVAPLKPEHLQVFETLEEITGYLYI 413

Qy 116 QSWPPHMHNFSVFSNLTTIGGR 137
 : || : ||| || | ||
Db 414 SAWPESFQDLSVFQNLRVIRGR 435

RESULT 131
US-10-541-270A-2
; Sequence 2, Application US/10541270A
; Patent No. 7282365
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Nuzzo, Maurizio
; APPLICANT: La Monica, Nicola
; APPLICANT: Ciliberto, Gennaro

; APPLICANT: Lahm, Armin
; TITLE OF INVENTION: RHESUS HER2/NEU, NUCLEOTIDES ENCODING
; TITLE OF INVENTION: SAME AND USES THEREOF
; FILE REFERENCE: ITR0043YP
; CURRENT APPLICATION NUMBER: US/10/541,270A
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: PCT/EP03/14997
; PRIOR FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: 60/437,846
; PRIOR FILING DATE: 2003-01-03
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Rhesus Monkey
US-10-541-270A-2

Query Match 35.9%; Score 276; DB 3; Length 1255;
Best Local Similarity 41.4%;
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
||:|:|:| | || || || :| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLRVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVSVFSNLTTIGGR 137
|| : : || || | ||
Db 415 WPDSLPLDLSVLQNLQVIRGR 434

RESULT 132
US-10-541-270A-41
; Sequence 41, Application US/10541270A
; Patent No. 7282365
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Nuzzo, Maurizio
; APPLICANT: La Monica, Nicola
; APPLICANT: Ciliberto, Gennaro
; APPLICANT: Lahm, Armin
; TITLE OF INVENTION: RHESUS HER2/NEU, NUCLEOTIDES ENCODING
; TITLE OF INVENTION: SAME AND USES THEREOF
; FILE REFERENCE: ITR0043YP
; CURRENT APPLICATION NUMBER: US/10/541,270A
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: PCT/EP03/14997
; PRIOR FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: 60/437,846
; PRIOR FILING DATE: 2003-01-03
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 41

; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Rhesus Monkey
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 517, 647, 1075
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-541-270A-41

Query Match 35.9%; Score 276; DB 3; Length 1255;
Best Local Similarity 41.4%;
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || ::| : || | | : | | | :
Db 295 CVTACPYNYLSTDVGSCTLVCPHLNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 354

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||||| | :
Db 355 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLRVFETLEEITGYLYISA 414

Qy 118 WPPHMHNFVFSNLTTIGGR 137
|| : : || || | ||
Db 415 WPDSLPLDLSVLQNLQVIRGR 434

RESULT 133

US-08-422-108-1

; Sequence 1, Application US/08422108
; Patent No. 6015567
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ullrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,108
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/355460
; FILING DATE: 13-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/048346

; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear

US-08-422-108-1

Query Match 35.7%; Score 274; DB 2; Length 624;
Best Local Similarity 41.4%;
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 274 CVTACPYNYLSTDVGSCTLVCPHNLQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 333

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||| || | :
Db 334 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITEYLYISA 393

Qy 118 WPPHMHNFVSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 394 WPDSLPLDSVFNQLQVIRGR 413

RESULT 134

US-08-422-734-1

; Sequence 1, Application US/08422734
; Patent No. 6333169
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ullrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WinPatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,734
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/422108
; FILING DATE: 14-Apr-1995
; APPLICATION NUMBER: 08/355460
; FILING DATE: 13-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/048346
; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear

US-08-422-734-1

Query Match 35.7%; Score 274; DB 2; Length 624;
Best Local Similarity 41.4%;
Matches 58; Conservative 17; Mismatches 61; Indels 4; Gaps 3;

Qy 2 CVASCPHNFV-VDQTSCVRACPPDKMEVD-KNGLKMCEPCGGLCPKACEGTGSG--SRFQ 57
|| :||:|:: | || || || :|| : || | | : | | | :
Db 274 CVTACPYNYLSTDVGSC TLVCLHNQEVTAEDGTQRCEKCSKPCARVCYGLGMEHLREVR 333

Qy 58 TVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQS 117
| |:|| | | || |:| || :|| | ||:| || |: ||| || | :
Db 334 AVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITEYLYISA 393

Qy 118 WPPHMHNFSVFSNLTTIGGR 137
|| : : ||| || | ||
Db 394 WPDSLPLDSVFNQLQVIRGR 413

RESULT 135
US-10-159-353B-4
; Sequence 4, Application US/10159353B
; Patent No. 7390632
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

```
; TITLE OF INVENTION:  ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/10/159,353B
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-159-353B-4
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Query Match          34.2%;  Score 263;  DB 3;  Length 331;
Best Local Similarity 100.0%;
Matches   45;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;
```

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGCLKMCEPCGGGLCPK 45
 |||
 Db 285 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGCLKMCEPCGGGLCPK 329

RESULT 136

US-12-018-610-4

; Sequence 4, Application US/12018610

; Patent No. 7612042

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/12/018,610

; CURRENT FILING DATE: 2008-01-23

; PRIOR APPLICATION NUMBER: US/10/159,353B

; PRIOR FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: US 09/676,380

; PRIOR FILING DATE: 2000-09-29

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; NUMBER OF SEQ ID NOS: 8
```

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; SOFTWARE: PatentIn version 3.2
```

; SEQ ID NO 4

```
; LENGTH: 331
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```
; TYPE: PRT
```

; ORGANISM: Homo sapiens

US-12-018-610-4

```
Query Match          34.2%;  Score 263;  DB 3;  Length 331;
Best Local Similarity 100.0%;
Matches   45;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

Qy 1 VCVASCPHNFVVDQTSCVRACPPDKMEVDKNGLMCEPCGGGLCPK 45
 |||
 Db 285 VCVASCPHNFVVDOTSCVRACPPDKMEVDKNGLMCEPCGGGLCPK 329

http://es.ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16_copy_2_139.rai&ItemType=4&startByte=0 (116 of 125)11/20/2010 6:26:14 PM

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; Sequence 21, Application US/11154091
; Patent No. 7449184
; GENERAL INFORMATION:
;   APPLICANT: ALLISON, DAVID E.
;   APPLICANT: BRUNO, RENE
;   APPLICANT: LU, JIAN-FENG
;   APPLICANT: NG, CHEE M.
;   TITLE OF INVENTION: FIXED DOSING OF HER ANTIBODIES
;   FILE REFERENCE: P2202R1
;   CURRENT APPLICATION NUMBER: US/11/154,091
;   CURRENT FILING DATE: 2005-06-15
;   PRIOR APPLICATION NUMBER: US 60/645,697
;   PRIOR FILING DATE: 2005-01-21
;   NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 21
;   LENGTH: 169
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-154-091-21
```

Query Match 25.3%; Score 194; DB 3; Length 169;
Best Local Similarity 45.2%;
Matches 42; Conservative 9; Mismatches 40; Indels 2; Gaps 1;

Qy	47	CEGTGSG--SRFQTVDSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFR	104
		: : : :	
Db	1	CYGLGMEHLREVRAVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFE	60
Qy	105	TVREITGYLNIQSWPPHMHNFVSFSLTTIGGR	137
		: : : :	
Db	61	TLEEITGYLYISAWPDSLPLDLSVFQNLQVIRGR	93

http://es/ScoreAccessWeb/GetItem.action?AppId=10516...0-516-759a-16 copy 2 139.rai&ItemType=4&startByte=0 (117 of 125)11/20/2010 6:26:14 PM

; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-182-908-21

Query Match 25.3%; Score 194; DB 3; Length 169;
Best Local Similarity 45.2%;
Matches 42; Conservative 9; Mismatches 40; Indels 2; Gaps 1;

Qy 47 CEGTGSG--SRFQTV DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVER 104
| | | : | | : | | | | : | | : | | |
Db 1 CYGLGMEHLREVRAVTSANIQE FAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFE 60

Qy 105 TVREITGYLNIQSWPPHMHNF SVFSNLTTIGGR 137
| : | | | | | | : | | : : | | | | | |
Db 61 TLEEITGYLYISAWPDSL PDL SVFQNLQVIRGR 93

RESULT 141
US-09-555-275A-4
; Sequence 4, Application US/09555275A
; Patent No. 7020563
; GENERAL INFORMATION:
; APPLICANT: Commonwealth Scientific and Industrial Research Organisation
; TITLE OF INVENTION: Method of Designing Agonists and Antagonists to IGF Receptor
; FILE REFERENCE: 050179-0081
; CURRENT APPLICATION NUMBER: US/09/555,275A
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: PCT/AU98/00998
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: PP2598
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: PP0585
; PRIOR FILING DATE: 1997-11-27
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 167
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (11)..(17)
; OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (44)..(50)
; OTHER INFORMATION: Protein sequence known but not provided in Figure 6a
US-09-555-275A-4

Query Match 22.9%; Score 176; DB 3; Length 167;
Best Local Similarity 38.5%;
Matches 37; Conservative 15; Mismatches 42; Indels 2; Gaps 1;

Qy 45 KACEGTGSG--SRFQTV DSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLN 102
| | | | | : : : | | | | | : | | | : : :
Db 1 KVCNGIGIGEXXXXXXXXXNATNIKHFKNCT SISGDLHILPVAFRXXXXXXXXXPPLDPQELDI 60

Qy 103 FRTVREITGYLNIQSWPPHMHNFVSFSLTTIGGRS 138
:|:|:|:|:| | |:| : : | | | | :
Db 61 LKTVKEITGFLLIQAWPENRTDLHAFENLEIIRGRT 96

RESULT 142
5459061-2
;Patent No. 5459061
; APPLICANT: SATO, J.DENRY;WU, DIANGING;WANG, LIHUA
; TITLE OF INVENTION: HYBRIDOMAS PRODUCING MONOCLONAL ANTIBODIES
;WHICH SPECIFICALLY BIND TO CONTINUOUS EPITOPE ON THE HUMAN EGF
;RECEPTOR AND COMPETE WITH EGF FOR BINDING TO THE EGF RECEPTOR
; NUMBER OF SEQUENCES: 10
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/133,274
; FILING DATE: 07-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 470,642
; FILING DATE: 26-JAN-1990
;SEQ ID NO:2:
; LENGTH: 76
5459061-2

Query Match 20.7%; Score 159; DB 7; Length 76;
Best Local Similarity 39.5%;
Matches 30; Conservative 15; Mismatches 29; Indels 2; Gaps 1;

Qy 29 DKNGLKMCEPCGGLCPKACEGTGSG--SRFQTVDSNIDGFVNCTKILGNLDFLITGLNG 86
:|:|:|:|:| | |:| | | | | :|:|:|:| | | | | :|:| | |
Db 1 EENGVRKCKKCDGLCSKVCNGIGIGELKGILSINATNIDSFKNCKSINGDVSILPVAFLG 60

Qy 87 DPWHKIPALDPEKLVN 102
| : | | | |:|:|
Db 61 DAFTKTPLLKPKKLDV 76

RESULT 143
5459061-1
;Patent No. 5459061
; APPLICANT: SATO, J.DENRY;WU, DIANGING;WANG, LIHUA
; TITLE OF INVENTION: HYBRIDOMAS PRODUCING MONOCLONAL ANTIBODIES
;WHICH SPECIFICALLY BIND TO CONTINUOUS EPITOPE ON THE HUMAN EGF
;RECEPTOR AND COMPETE WITH EGF FOR BINDING TO THE EGF RECEPTOR
; NUMBER OF SEQUENCES: 10
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/133,274
; FILING DATE: 07-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 470,642
; FILING DATE: 26-JAN-1990
;SEQ ID NO:1:
; LENGTH: 76
5459061-1

Query Match 18.9%; Score 145; DB 7; Length 76;
Best Local Similarity 36.4%;
Matches 28; Conservative 18; Mismatches 27; Indels 4; Gaps 2;

Qy 29 DKNGLKMCEPCGGLCPKACEGTGSGSRFQ---TVDSSNIDGFVNCTKILGNLDFLITGLN 85
::|:: |: | | | | | | | |: ::::| | | | | |:| |
Db 1 EEDGVRKCKKCEGPCRKVCNGIGIG-EFKDLSINATNIKHFKNCTSISGDLHILPVAFR 59

Qy 86 GDPWHKIPALDPEKLVN 102
| | : | ||::|::
Db 60 GDSFTHTPPLDPQELDI 76

RESULT 144
5459061-10

;Patent No. 5459061
; APPLICANT: SATO, J.DENRY;WU, DIANGING;WANG, LIHUA
; TITLE OF INVENTION: HYBRIDOMAS PRODUCING MONOCLONAL ANTIBODIES
;WHICH SPECIFICALLY BIND TO CONTINUOUS EPITOPE ON THE HUMAN EGF
;RECEPTOR AND COMPETE WITH EGF FOR BINDING TO THE EGF RECEPTOR
; NUMBER OF SEQUENCES: 10
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/133,274
; FILING DATE: 07-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 470,642
; FILING DATE: 26-JAN-1990
;SEQ ID NO:10:
; LENGTH: 76
5459061-10

Query Match 18.6%; Score 143; DB 7; Length 76;
Best Local Similarity 36.8%;
Matches 28; Conservative 17; Mismatches 27; Indels 4; Gaps 2;

Qy 30 KNGGLKMCEPCGGLCPKACEGTGSGSRFQ---TVDSSNIDGFVNCTKILGNLDFLITGLN 86
::|:: |: | | | | | | | |: ::::| | | | | |:| |
Db 2 EDGVRKCKKCEGPCRKVCNGIGIG-EFKDLSINATNIKHFKNCTSISGDLHILPVAFRG 60

Qy 87 DPWHKIPALDPEKLVN 102
| : | ||::|::
Db 61 DSFTHTPPLDPQELDI 76

RESULT 145
US-08-857-076-103

; Sequence 103, Application US/08857076C
; Patent No. 6225120
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Kimura, Koutarou
; APPLICANT: Patterson, Garth
; APPLICANT: Ogg, Scott
; APPLICANT: Paradis, Suzanne
; APPLICANT: Tissenbaum, Heidi
; APPLICANT: Morris, Jason
; APPLICANT: Kowweek, Allison
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351001

; CURRENT APPLICATION NUMBER: US/08/857,076C
; CURRENT FILING DATE: 1997-05-15
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-857-076-103

Query Match 16.9%; Score 130; DB 2; Length 366;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

Qy 1 VCVASCPHN-----FVVDQTSVRACPPDKMEVDKNG 32
||| :|| | ||: |:: || : :||
Db 122 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 178

Qy 33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
: | || | ||| || : :||: || : || || || :
Db 179 SQSMYCIPCEGPCPKVCE---EEKKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 231

Qy 90 HKIPALDPEKLNVFRTVREITGYLNIQSWPPMH---NFSVFSNLTTIGG 136
: | | : :||: | : | | : | || | |
Db 232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSFLKNLRLILG 273

RESULT 146

US-09-205-658A-103
; Sequence 103, Application US/09205658A
; Patent No. 6861256
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Ogg, Scott
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351004
; CURRENT APPLICATION NUMBER: US/09/205,658A
; CURRENT FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 08/857,076
; PRIOR FILING DATE: 1997-05-15
; PRIOR APPLICATION NUMBER: 08/888,534
; PRIOR FILING DATE: 1997-07-07
; PRIOR APPLICATION NUMBER: US98/10080
; PRIOR FILING DATE: 1998-05-15
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-658A-103

Query Match 16.9%; Score 130; DB 2; Length 366;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

```
Qy      1 VCVASCPHN-----FVVDQTSCVRACPPDKMEVDKNG 32
      ||| :|| |                ||:  |:: ||  :  :||
Db      122 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 178

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      :  | || | ||| ||      : :|:| | ::      ||  |||  ||  |:
Db      179 SQSMYCIPCEGPCPKVCE---EEKTKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 231

Qy      90 HKIPALDPEKLNVERTVREITGYLNIQSWPPMH---NFSVFSNLTTIGG 136
      :  |  |      : :|||: |:      | |      : |  ||  | |
Db      232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSFLKNLRLILG 273
```

RESULT 147

US-09-963-693B-103

; Sequence 103, Application US/09963693B

; Patent No. 7041437

; GENERAL INFORMATION:

; APPLICANT: Ruvkun, Gary

; APPLICANT: Ogg, Scott

; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR

; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS

; FILE REFERENCE: 00786/351004

; CURRENT APPLICATION NUMBER: US/09/963,693B

; CURRENT FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US/09/205,658

; PRIOR FILING DATE: 1998-12-03

; PRIOR APPLICATION NUMBER: 08/857,076

; PRIOR FILING DATE: 1997-05-15

; PRIOR APPLICATION NUMBER: 08/888,534

; PRIOR FILING DATE: 1997-07-07

; PRIOR APPLICATION NUMBER: US98/10080

; PRIOR FILING DATE: 1998-05-15

; NUMBER OF SEQ ID NOS: 331

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 103

; LENGTH: 366

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-963-693B-103

Query Match 16.9%; Score 130; DB 3; Length 366;

Best Local Similarity 27.1%;

Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

```
Qy      1 VCVASCPHN-----FVVDQTSCVRACPPDKMEVDKNG 32
      ||| :|| |                ||:  |:: ||  :  :||
Db      122 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 178

Qy      33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
      :  | || | ||| ||      : :|:| | ::      ||  |||  ||  |:
Db      179 SQSMYCIPCEGPCPKVCE---EEKTKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 231

Qy      90 HKIPALDPEKLNVERTVREITGYLNIQSWPPMH---NFSVFSNLTTIGG 136
      :  |  |      : :|||: |:      | |      : |  ||  | |
Db      232 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSFLKNLRLILG 273
```

RESULT 148

US-09-844-353A-103
; Sequence 103, Application US/09844353A
; Patent No. 7414169
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Kimura, Koutarou
; APPLICANT: Patterson, Garth
; APPLICANT: Ogg, Scott
; APPLICANT: Paradis, Suzanne
; APPLICANT: Tissenbaum, Heidi
; APPLICANT: Morris, Jason
; APPLICANT: Koweeek, Allison
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351005
; CURRENT APPLICATION NUMBER: US/09/844,353A
; CURRENT FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 08/857,076
; PRIOR FILING DATE: 1997-05-15
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-844-353A-103

Query Match 16.9%; Score 130; DB 3; Length 366;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

Qy	1	VCVASCPHN-----FVVDQTSCVRACPPDKMEVDKNG	32
		: : :: : :	
Db	122	VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG	178
Qy	33	LK--MCEPCGGLCPKACEGTGSGSRFQTVDS-SNIDGFVNCTKILGNLDFLITGLNGDPW	89
		: : : : : :	
Db	179	SQSMYCIPCEGPCPKVCE---EEKTKTKIDSVTSAQMLQGCTIFKGNL--LINIRRGN--	231
Qy	90	HKIPALDPEKLNVFRTVREITGYLNIQSWPPMH---NFSVFSNLTTIGG	136
		: : : : : :	
Db	232	----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSFLKNLRLILG	273

RESULT 149

US-10-503-486-3
; Sequence 3, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486

; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-3

Query Match 16.9%; Score 130; DB 3; Length 478;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

Qy 1 VCVASCPHN-----FVVDQTSCVRACPPDKMEVDKNG 32
||| :|| | ||: |:: || : :||
Db 229 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 285

Qy 33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS-SNIDGFVNCTKILGNLDFLITGLNGDPW 89
: | || | || | : :||: || : || || | :
Db 286 SQSMYCIPCEGPCPKVCE---EEKTKTIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 338

Qy 90 HKIPALDPEKLNVFRTVREITGYLNIQSWPPPHMH---NFSVFSNLTTIGG 136
: | | : :||: | : | | | |
Db 339 ----NIASELENFMGLIEVVTGYVKIR----HSHALVSLSFLKNLRLILG 380

RESULT 150
US-08-746-559A-5
; Sequence 5, Application US/08746559A
; Patent No. 6084085
; GENERAL INFORMATION:
; APPLICANT: Renato Baserga
; APPLICANT: Mariana Resnicoff
; APPLICANT: Consuelo D'Ambrosio
; APPLICANT: Andre Ferber
; TITLE OF INVENTION: Method of Inducing Resistance to Tumor Growth
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6084085ris LLP
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/746,559A
; FILING DATE: 13-NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/006,699

; FILING DATE: 14-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul K. Legaard
; REGISTRATION NUMBER: 38,534
; REFERENCE/DOCKET NUMBER: TJU-2063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

US-08-746-559A-5

Query Match 16.9%; Score 130; DB 2; Length 486;
Best Local Similarity 27.1%;
Matches 46; Conservative 19; Mismatches 53; Indels 52; Gaps 9;

Qy 1 VCVASCPHN-----FVVDQTSCVRACPPDKMEVDKNG 32
||| :|| | ||: ||: || : :||
Db 229 VCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHDGECMQECPSGFI---RNG 285

Qy 33 LK--MCEPCGGLCPKACEGTGSGSRFQTVDS--SNIDGFVNCTKILGNLDFLITGLNGDPW 89
: | || | || | : :||: ||: || || | :
Db 286 SQSMYCIPCEGPCPKVCE---EEKTKTKIDSVTSAQMLQGCTIFKGNL--LINIRRGN-- 338

Qy 90 HKIPALDPEKLNVERTVREITGYLNIQSWPPHMH---NFSVFSNLTTIGG 136
: | | : :||: | : | | : | || | |
Db 339 ----NIASELENFMGLIEVVVTGYVKIR---HSHALVSLSFLKNLRLILG 380

Search completed: November 17, 2010, 15:04:17
Job time : 39.3163 secs

SCORE 10